

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P943698

Luminaire Tested: **GALN-SB8B-750-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943698  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8B-750-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

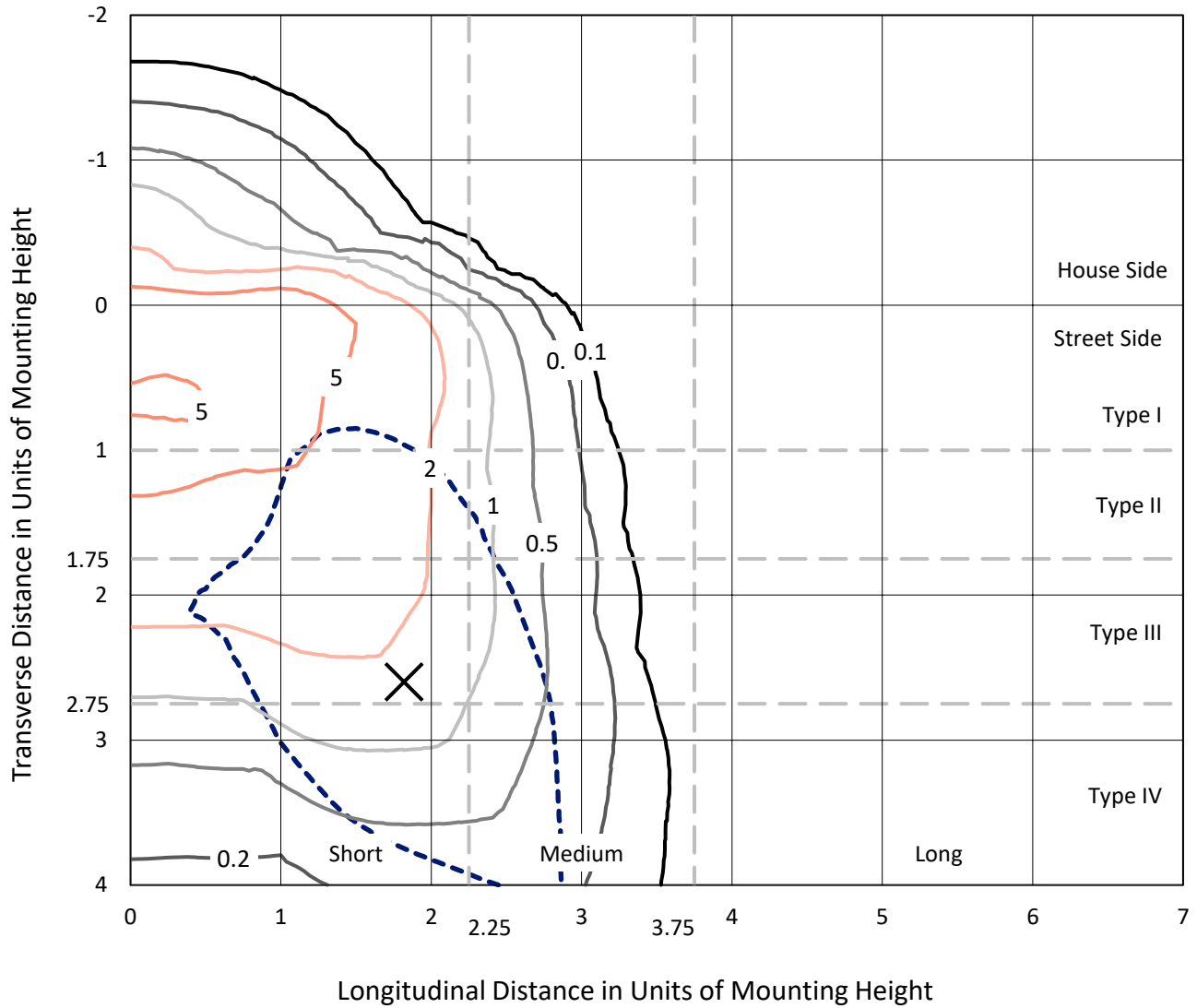
Lumens per Lamp: N/A  
Luminaire Lumens: 36474 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P943698  
 CATALOG NUMBER: GALN-SB8B-750-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

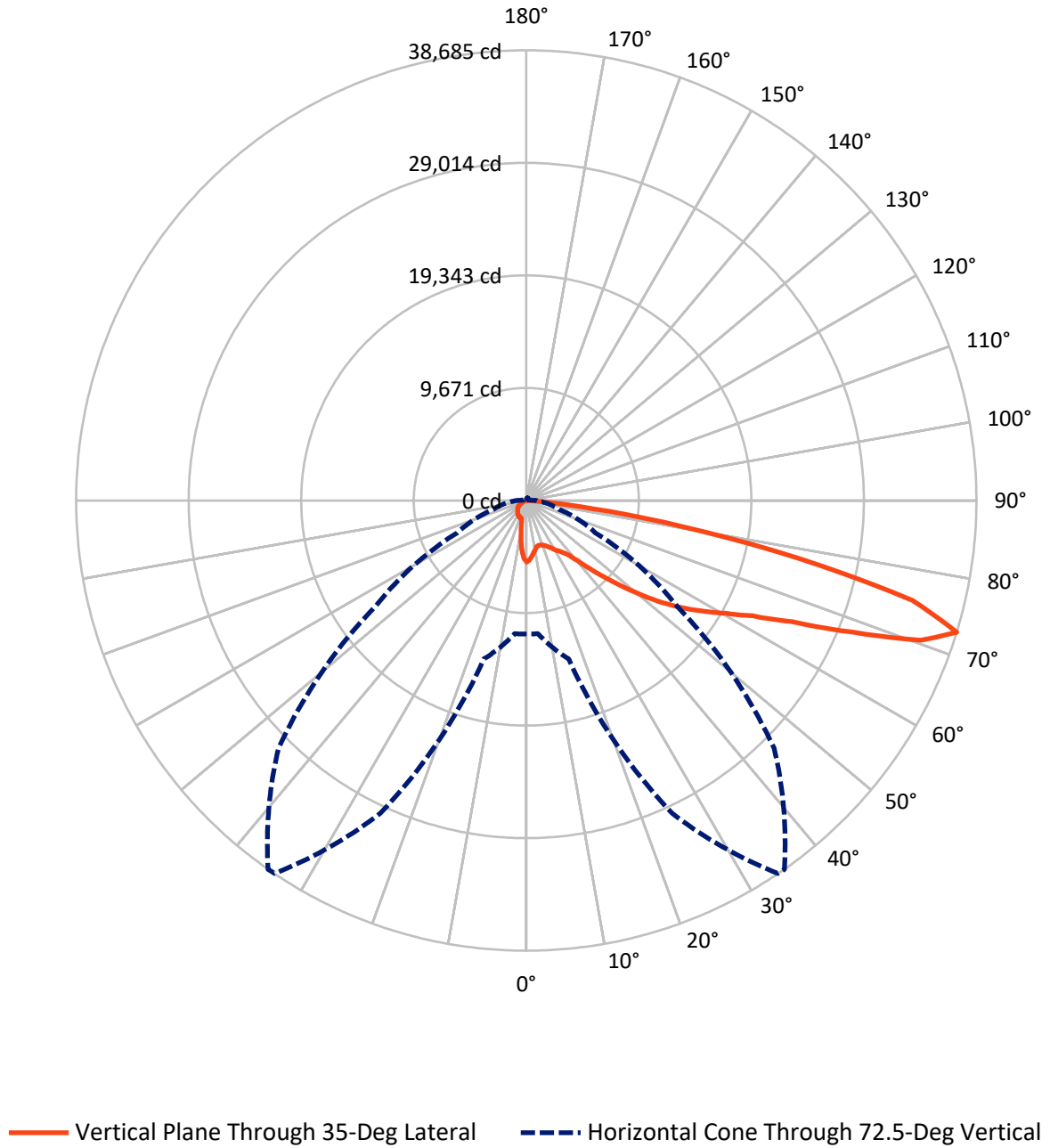
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P943698  
CATALOG NUMBER: GALN-SB8B-750-U-T4FT-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P943698  
 CATALOG NUMBER: GALN-SB8B-750-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4105.0	0.0	4105.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	32369.0	0.0	32369.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	36474.0	0.0	36474.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.4	1.2
10°-20°	1016.2	2.8
20°-30°	1650.8	4.5
30°-40°	2754.4	7.6
40°-50°	5211.3	14.3
50°-60°	8280.8	22.7
60°-70°	10243.9	28.1
70°-80°	6367.7	17.5
80°-90°	514.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	36474.0	100.0
0°-180°	36474.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P943698

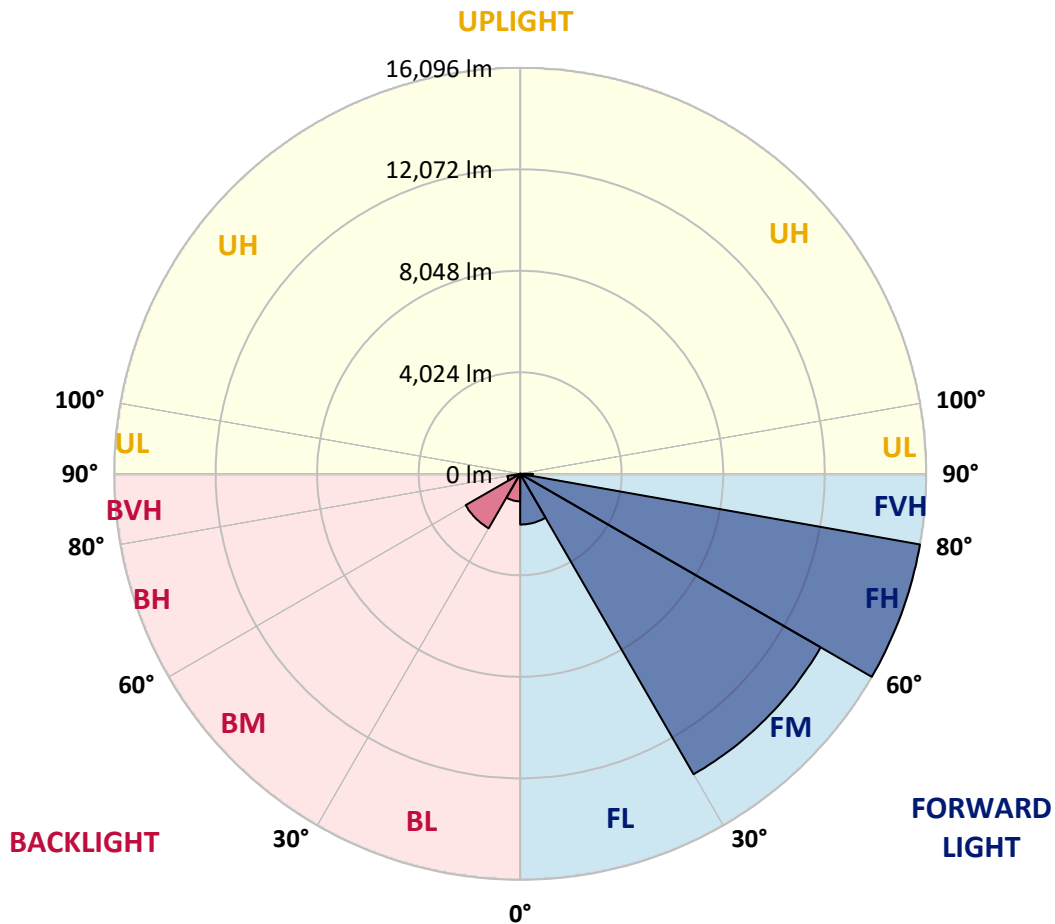
CATALOG NUMBER: GALN-SB8B-750-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2010.6	5.5			
FM (30°-60°)	13754.3	37.7			
FH (60°-80°)	16096.4	44.1			G5
FVH (80°-90°)	507.6	1.4			G4/750
BL (0°-30°)	1090.8	3.0	B3/2500		
BM (30°-60°)	2492.1	6.8	B2/2500		
BH (60°-80°)	515.1	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



REPORT NUMBER: P943698  
 CATALOG NUMBER: GALN-SB8B-750-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3
2.5°	5051.1	5093.9	5101.9	5115.3	5115.3	5131.3	5158.0	5195.4	5256.9	5289.0
5°	4655.6	4687.7	4727.7	4759.8	4821.3	4829.3	4933.5	5035.1	5176.7	5283.6
7.5°	4257.4	4294.8	4348.2	4425.7	4505.9	4530.0	4687.7	4858.7	5083.2	5283.6
10°	3976.8	3979.4	4027.5	4105.0	4233.3	4262.7	4455.1	4698.3	4979.0	5251.6
12.5°	3819.1	3837.8	3859.2	3918.0	4040.9	4059.6	4265.4	4551.4	4874.7	5232.9
15°	3819.1	3832.4	3845.8	3875.2	3974.1	3990.1	4171.9	4457.8	4821.3	5240.9
17.5°	3859.2	3880.5	3869.9	3904.6	4008.8	4019.5	4179.9	4431.1	4818.6	5291.7
20°	3955.4	3971.4	3950.0	3971.4	4075.6	4097.0	4262.7	4481.9	4864.0	5379.8
22.5°	4107.7	4115.7	4064.9	4081.0	4187.9	4214.6	4407.0	4626.2	4973.6	5521.5
25°	4300.1	4316.2	4238.7	4257.4	4358.9	4391.0	4612.8	4842.7	5147.3	5716.6
27.5°	4522.0	4530.0	4463.2	4460.5	4591.4	4636.9	4861.4	5109.9	5379.8	5962.5
30°	4775.8	4799.9	4735.8	4725.1	4890.8	4928.2	5150.0	5438.6	5721.9	6331.3
32.5°	4976.3	4995.0	4957.6	4984.3	5152.7	5182.1	5500.1	5903.7	6259.1	6855.1
35°	5264.9	5275.6	5190.1	5238.2	5430.6	5505.5	5978.5	6555.8	6935.3	7512.5
37.5°	6309.9	6309.9	5946.4	5708.6	5893.0	5959.8	6633.3	7376.2	7769.1	8394.5
40°	7755.7	7731.7	7199.9	6713.4	6689.4	6820.3	7566.0	8410.5	8846.1	9452.8
42.5°	9297.8	9260.4	8536.1	8055.1	7974.9	8020.3	8643.0	9685.3	10129.0	10743.7
45°	10666.2	10655.5	9992.7	9345.9	9201.6	9345.9	9987.3	11176.6	11494.6	12141.4
47.5°	11812.7	11812.7	11328.9	10906.7	10831.8	10917.4	11807.3	12830.9	12801.5	13630.0
50°	13132.9	13122.2	12662.5	12480.8	12558.3	12678.6	13902.6	14573.4	14153.8	15091.9
52.5°	14057.6	14121.8	13964.1	13934.7	14330.2	14538.7	16030.0	16278.5	15364.5	16478.9
55°	14789.9	14864.7	15046.5	15252.2	16013.9	16286.5	18090.5	17895.4	16377.4	17681.6
57.5°	15826.8	15719.9	16000.6	16406.8	17638.8	17967.6	20086.9	19421.4	17192.5	18657.1
60°	17085.6	17101.7	17149.8	17662.9	19261.1	19683.3	22053.9	20864.6	17716.3	19255.7
62.5°	18598.3	18622.3	18721.2	19509.6	21439.2	21837.4	24149.2	22045.9	17956.9	19087.4
65°	18494.1	18595.6	19699.4	22396.0	24750.5	25143.4	26594.6	22874.4	17593.4	17548.0
67.5°	16847.8	17013.5	18860.2	25843.6	29742.8	30181.1	29550.4	23037.4	16024.6	13646.0
70°	14688.3	14747.1	16968.0	28943.7	35523.5	35967.2	32196.2	21244.1	12160.1	7611.4
72.5°	11470.6	11484.0	14089.7	29662.6	38661.1	38685.2	30119.6	15770.7	6539.7	2923.8
75°	8194.0	8113.9	9436.8	24055.6	34013.6	34286.2	22580.4	7397.6	2498.8	1381.7
77.5°	4393.7	4481.9	5339.8	14266.1	23497.1	23962.1	12320.5	2132.7	1272.1	940.7
80°	1357.7	1432.5	2188.8	6531.7	13309.3	13589.9	4567.4	948.8	887.3	670.8
82.5°	427.6	443.6	1020.9	2744.7	5524.2	5652.4	1322.9	537.2	606.7	443.6
85°	122.9	125.6	454.3	1023.6	1365.7	1392.4	371.5	208.5	347.4	275.3
87.5°	13.4	42.8	171.0	171.0	120.3	117.6	40.1	45.4	98.9	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943698  
 CATALOG NUMBER: GALN-SB8B-750-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5286.3	0°	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3	5286.3
5310.4	2.5°	5297.0	5299.7	5264.9	5206.1	5142.0	5088.5	5021.7	4968.3	4930.9	4920.2
5358.5	5°	5334.4	5315.7	5216.8	5037.8	4824.0	4639.5	4433.8	4270.7	4163.8	4118.4
5409.2	7.5°	5390.5	5337.1	5120.6	4767.8	4358.9	3995.5	3626.7	3340.7	3159.0	3068.1
5457.3	10°	5438.6	5331.7	4960.3	4377.6	3752.3	3201.7	2704.6	2359.9	2167.4	2076.6
5513.5	12.5°	5484.1	5329.1	4751.8	3915.3	3068.1	2394.6	1932.3	1761.2	1707.8	1689.1
5604.3	15°	5569.6	5337.1	4489.9	3386.1	2386.6	1809.3	1640.9	1638.3	1649.0	1643.6
5743.3	17.5°	5687.2	5345.1	4193.2	2824.9	1841.4	1595.5	1587.5	1611.5	1627.6	1619.6
5917.0	20°	5839.5	5377.2	3877.9	2269.0	1582.2	1542.1	1560.8	1582.2	1595.5	1582.2
6149.5	22.5°	6053.3	5433.3	3533.1	1822.7	1499.3	1510.0	1526.0	1550.1	1563.4	1544.7
6446.2	25°	6315.2	5521.5	3193.7	1584.8	1459.2	1472.6	1496.6	1523.4	1539.4	1520.7
6820.3	27.5°	6654.7	5663.1	2881.0	1531.4	1419.1	1427.1	1461.9	1502.0	1523.4	1499.3
7352.2	30°	7146.4	5895.6	2611.1	1555.4	1395.1	1376.4	1424.5	1480.6	1504.6	1483.3
8076.4	32.5°	7798.5	6224.4	2445.4	1592.8	1384.4	1317.6	1363.0	1435.2	1475.2	1461.9
9022.5	35°	8653.7	6724.1	2381.2	1635.6	1376.4	1256.1	1288.2	1365.7	1435.2	1448.5
10214.5	37.5°	9690.7	7419.0	2400.0	1654.3	1352.3	1205.3	1221.4	1288.2	1379.0	1421.8
11556.1	40°	10869.3	8228.8	2506.9	1635.6	1325.6	1162.6	1165.2	1216.0	1296.2	1360.3
12999.3	42.5°	12085.3	9174.9	2704.6	1566.1	1301.5	1125.1	1117.1	1151.9	1205.3	1250.8
14439.8	45°	13242.5	10147.7	2899.7	1469.9	1272.1	1087.7	1069.0	1082.4	1093.1	1111.8
15842.9	47.5°	14252.7	10831.8	2843.6	1381.7	1232.0	1045.0	1012.9	1007.6	975.5	972.8
17096.3	50°	14950.2	10981.5	2525.6	1293.5	1173.2	996.9	946.1	914.0	857.9	831.2
18034.4	52.5°	15172.1	10390.9	2063.2	1205.3	1077.0	932.7	860.6	809.8	740.3	716.2
18574.2	55°	14878.1	9233.7	1649.0	1098.4	943.4	847.2	767.0	700.2	644.1	614.7
18633.0	57.5°	14159.2	7761.1	1304.2	972.8	801.8	751.0	670.8	604.0	555.9	526.5
17980.9	60°	12967.2	6162.9	1031.6	823.1	684.2	646.8	563.9	521.1	478.4	443.6
16297.2	62.5°	11157.9	4399.0	809.8	652.1	571.9	529.2	481.1	449.0	398.2	350.1
13269.2	65°	8707.2	2691.3	625.4	478.4	459.7	438.3	408.9	379.5	318.0	269.9
8656.4	67.5°	5492.1	1274.8	446.3	360.8	363.5	352.8	339.4	315.4	269.9	227.2
3877.9	70°	2418.7	617.4	294.0	275.3	269.9	269.9	280.6	272.6	229.8	189.8
1347.0	72.5°	823.1	331.4	219.1	208.5	195.1	192.4	235.2	227.2	184.4	147.0
670.8	75°	430.3	221.8	160.4	149.7	117.6	141.6	187.1	176.4	131.0	96.2
443.6	77.5°	280.6	157.7	109.6	96.2	66.8	93.5	139.0	122.9	77.5	48.1
291.3	80°	176.4	104.2	64.1	45.4	32.1	50.8	74.8	53.5	29.4	10.7
171.0	82.5°	93.5	53.5	24.1	16.0	13.4	16.0	18.7	13.4	5.3	0.0
88.2	85°	37.4	18.7	8.0	5.3	2.7	0.0	5.3	2.7	0.0	0.0
16.0	87.5°	13.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
5286.3
4938.9
4134.4
3081.5
2079.2
1683.7
1640.9
1616.9
1579.5
1542.1
1518.0
1499.3
1480.6
1461.9
1448.5
1432.5
1381.7
1269.5
1122.5
970.1
833.8
713.6
614.7
521.1
435.6
342.1
261.9
221.8
181.7
139.0
88.2
42.8
8.0
0.0
0.0
0.0
0.0

F REPORT)